Introduction to Ingenuity Pathway Analysis

Hosted by the Cushing/Whitney Medical Library

Date/time: Friday, May 22, 2015 from 9 AM - 12.00 PM
Location: H-110 Lecture Hall, Jane Ellen Hope Building
Presenter: Dr. Kate Wendelsdorf, Applied Advanced Genomics, QIAGEN Informatics

Registration required due to limited seating: http://schedule.yale.edu/event.php?id=967831
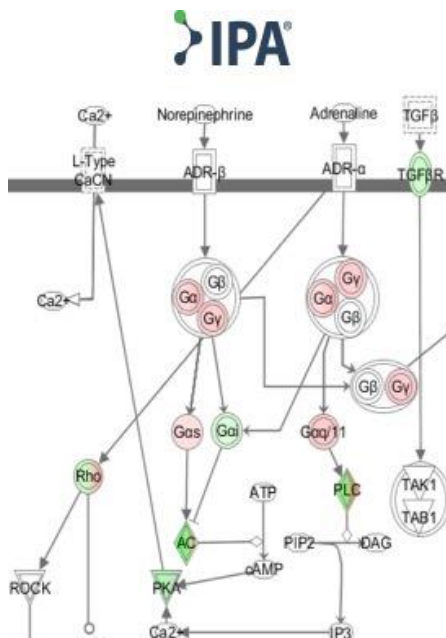
What is IPA and what questions can it address?
Overview of key features in IPA
Ingenuity Knowledge Base

Search & Pathway Building - Gene/ Chemical, Functions, Drug Targets
Advanced Search: Limiting results to a molecule type, family or disease-association.

Building pathways: Creating a pathway, pathway navigating, Using Build and Overlay tools
Bioprofiler

Dataset Analysis: Interpretation of Gene, Transcript, Protein and Metabolite Data

Data Upload and Analysis: Uploading and formatting a dataset, setting analysis parameters and running an analysis
Pathway Analysis and Canonical Pathways
Downstream Effects Analysis and identifying downstream functions and processes that are likely affected
Upstream regulators Analysis
Causal Network Analysis and identifying likely root regulators
Regulator Effects Analysis to link upstream regulators with downstream functions and processes that are affected
Comparison analysis and comparing multiple observations

Questions: Rolando Milian – rolando.milian@yale.edu